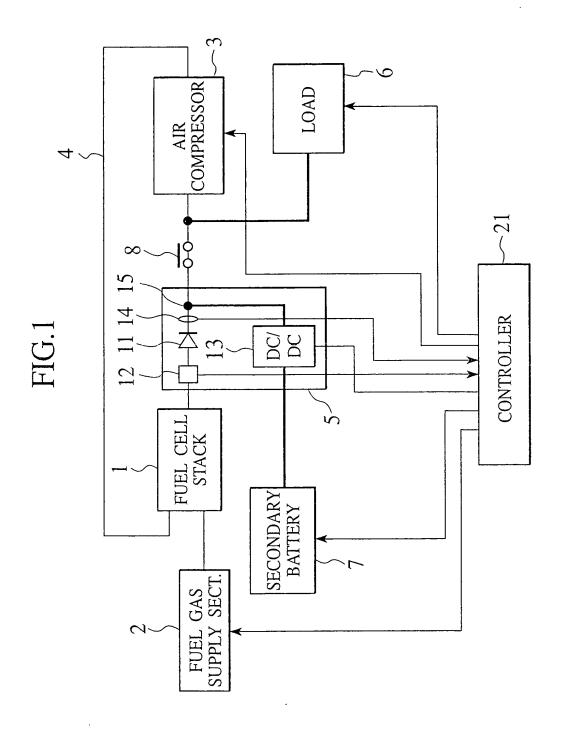
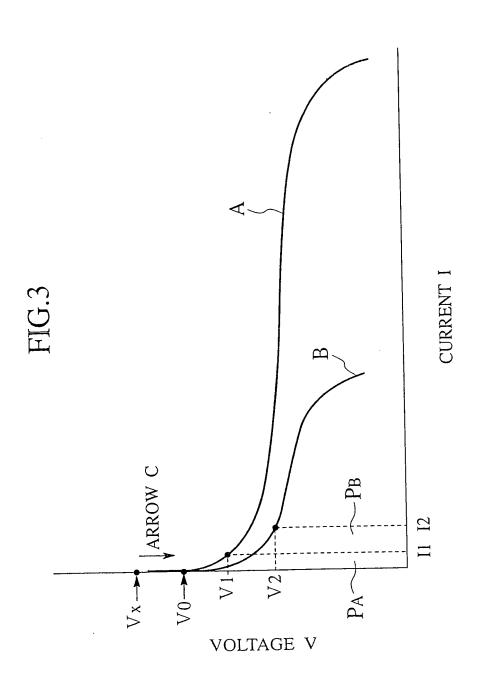
1/7

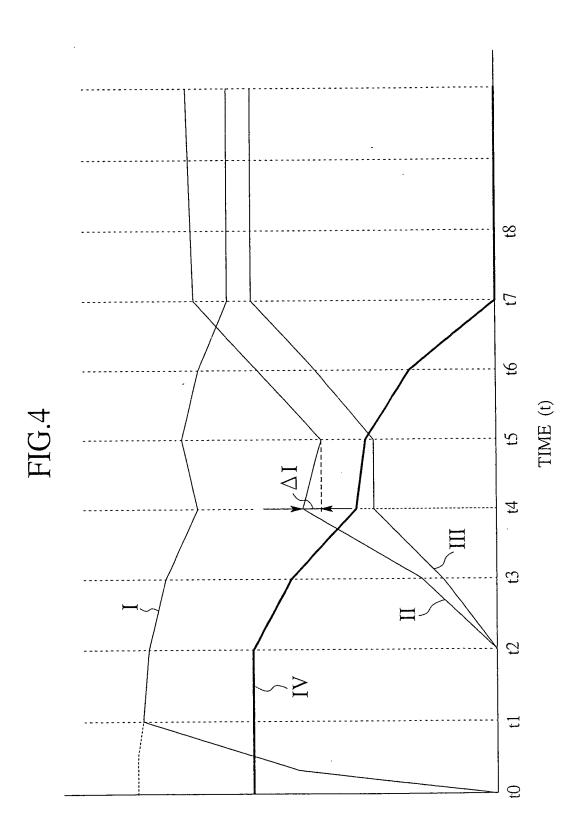


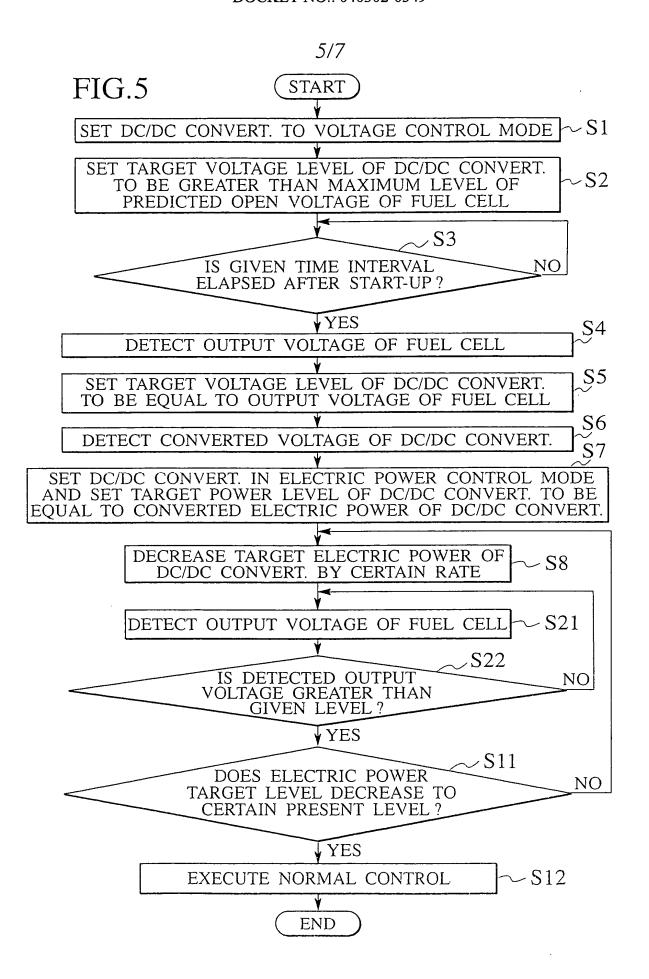
2/7 FIG.2 **START** SET DC/DC CONVERT. TO VOLTAGE CONTROL MODE  $\sim$  \$1SET TARGET VOLTAGE LEVEL OF DC/DC CONVERT. TO BE GREATER THAN MAXIMUM LEVEL OF PREDICTED OPEN VOLTAGE OF FUEL CELL S3 IS GIVEN TIME INTERVAL ELAPSED AFTER NO START-UP? **↓**YES DETECT OUTPUT VOLTAGE OF FUEL CELL ~ S4 SET TARGET VOLTAGE LEVEL OF DC/DC CONVERT. - S5 TO BE EQUAL TO OUTPUT VOLTAGE OF FUEL CELL DETECT CONVERTED VOLTAGE OF DC/DC CONVERT. - \$6 SET DC/DC CONVERT. IN ELECTRIC POWER CONTROL MODE AND SET TARGET POWER LEVEL OF DC/DC CONVERT. TO BE EOUAL TO CONVERTED ELECTRIC POWER OF DC/DC CONVERT. DECREASE TARGET ELECTRIC POWER OF - S8 DC/DC CONVERT. BY CERTAIN RATE - S9 DETECT ELECTRIC CURRENT OF FUEL CELL S10 NO IS DETECTED CURRENT LESS THAN GIVEN LEVEL **VYES** S11 DOES ELECTRIC POWER NO TARGET LEVEL DECREASE TO CERTAIN PRESENT LEVEL YES ∽S12 EXECUTE NORMAL CONTROL **END** 

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6/7 FIG.6 **START** SET DC/DC CONVERT. TO VOLTAGE CONTROL MODE SET TARGET VOLTAGE LEVEL OF DC/DC CONVERT. TO BE GREATER THAN MAXIMUM LEVEL OF PREDICTED OPEN VOLTAGE OF FUEL CELL S31 START UP COOLANT PUMP OF FUEL CELL DETECT COOLANT TEMPERATURE S33 IS DETECTED YES TEMPERATURE GREATER THAN S12 GIVEN VALUE? NO **EXECUTE** NORMAL CONTROL DETECT OUTPUT VOLTAGE OF FUEL CELL **END** SET TARGET VOLTAGE LEVEL OF DC/DC CONVERT. TO BE EQUAL TO OUTPUT VOLTAGE OF FUEL CELL S5-DETECT CONVERTED VOLTAGE OF DC/DC CONVERT. S6-SET DC/DC CONVERT. IN ELECTRIC POWER CONTROL MODE AND SET TARGET POWER LEVEL OF DC/DC CONVERT. TO BE EQUAL TO CONVERTED ELECTRIC POWER OF DC/DC CONVERT. S7-DECREASE TARGET ELECTRIC POWER OF S8 DC/DC CONVERT. BY CERTAIN RATE DETECT ELECTRIC CURRENT OF FUEL CELL  $S9 \sim$ S10 NO IS DETECTED CURRENT LESS THAN GIVEN LEVEL? **₹YES** S11 DOES ELECTRIC POWER NO TARGET LEVEL DECREASE TO CERTAIN PRESENT LEVEL? **VYES** EXECUTE NORMAL CONTROL S12-**END** 

